



# **Fire Prevention Water Infrastructure Improvement Plan**

**City of Morgan Hill/JOA Meeting**  
**Jackson Oaks Meeting Hall**  
**August 24, 2015 at 7:00pm**

# Fire Preparedness

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Wildfire is Coming. **Are You Ready?**

# City of Morgan Hill Water System Upgrades

## ► Objectives

- Enhance Fire Fighting Capabilities
  - (Holiday Lakes, Jackson Oaks, Holiday 1, 2, & 3)
- Enhance System Reliability
  - Minimize Outages
  - Sustainable Water Quality
- Provide System Redundancy and Operations Flexibility.

# Current Water System



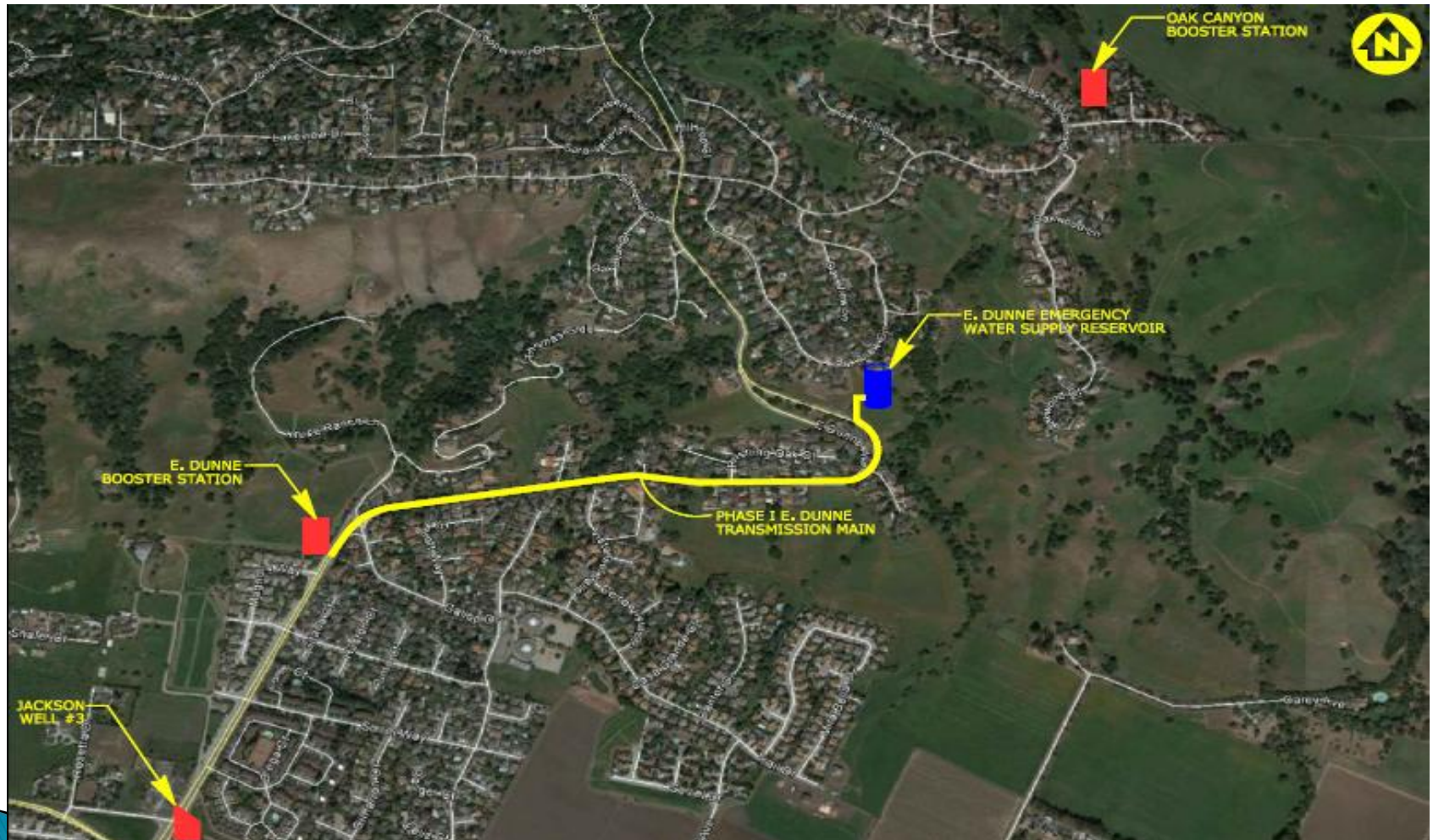
# City of Morgan Hill

## Water System Upgrades

- ▶ FY 2015/16 Improvements include:
  - Jackson Oaks Well Rehabilitation
  - Oak Canyon Booster Station Rebuild
  - E. Dunne Water Transmission Main Project
  - Eastside Water Supply Reservoir
  - E. Dunne Booster Station Rehabilitation

# Water System Upgrades

## FY 2015/16 Improvements

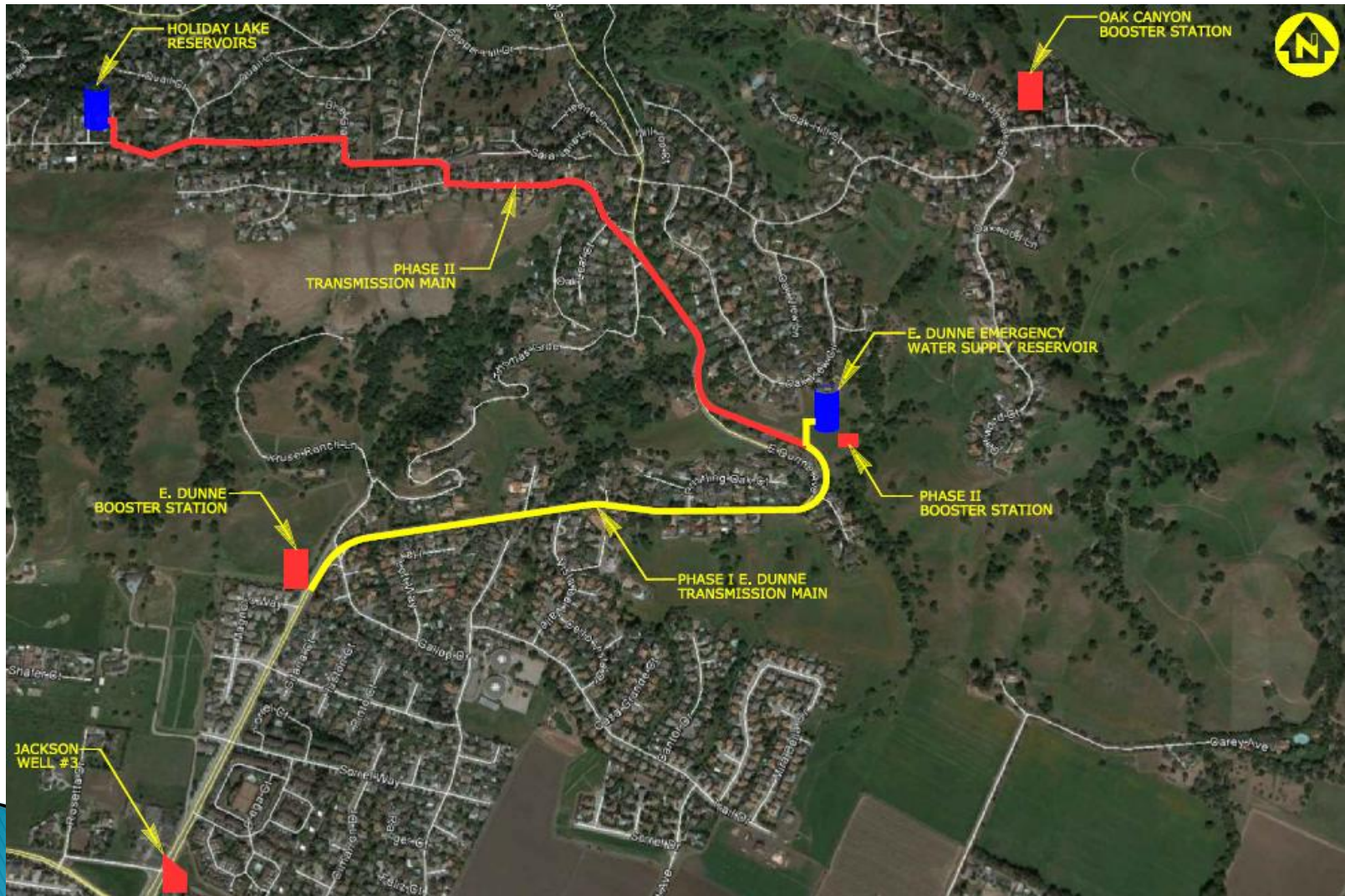


# City of Morgan Hill Water System Upgrades

- ▶ Future Improvements Include:
  - Transmission Main to Holiday Lake Reservoirs 1 & 2
  - Pump Station at E. Dunne Hillside Tank
  - Mothball High Pressure Piping to Holiday Lake 1 & 2

# Water Capital Improvements

## Future Improvements



# Jackson Oaks Well Rehabilitation



# Oak Canyon Booster Station Rebuild



## E. Dunne Water Transmission Main Project



# E. Dunne Booster Station




Water Capital Improvements

# Eastside Emergency Water Supply Reservoir



# Eastside Emergency Water Supply Reservoir

## ► Critical Functions:

- Enhance Fire Protection.
  - Effectively Doubles Water Capacity.
  - Water Capacity Essential to Survive Major Earthquakes, Fires & Catastrophic Emergencies.
  - Adequate Water Supply Essential to Maintain Public Health and Safety.
  - Quick Access to Water Essential to Fire Fighting.
  - Maintaining Water Infrastructure is Essential.
  - Adequate Water Supply and Emergency Water Reserves Are Essential for Public Health and Safety.
  - Provides Critical Redundancies & Improves Reliability.
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# Eastside Water Supply Reservoir



# Schedule

	2015					2016													
	Aug.	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov			
Jackson #3 Well Rehab.	Dsgn	Construction																	
Oak Canyon Booster Sta.	Design		Construction																
E. Dunne Water Transmission Main	Design						Construction												
Emergency Reservoir	Design						Construction												
E. Dunne Booster Sta. Rehab						Design		Construction											